

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

S

API NO. 15-145-21,260-0000
County Pawnee
NE NE SE Sec 16 Twp 20 Rge 19 East
..... West

Operator: License # 5900
Name Lawhanco Drilling, Inc.
Address P.O. Box 289
City/State/Zip Natoma, Ks. 67651

2310 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser

Lease Name S.O.P. Sturgeon Well # 1

Operator Contact Person Reva F. Musgrove
Phone 913-885-4676

Field Name

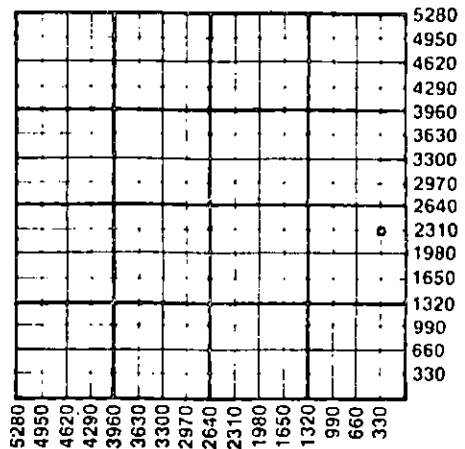
Producing Formation

Elevation: Ground 2240 KB 2246

Contractor: License # 8241
Name Emphasis Oil Operations

Wellsite Geologist Randy Killian
Phone 913-628-6061

Section Plat



Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWNG: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

6-2-87 Spud Date 6-8-87 Date Reached TD 6-8-87 Completion Date

4350 RTD Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 388 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt
Cement Company Name
Invoice #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West

Surface Water 1840 Ft North from Southeast Corner (Stream, pond etc) 2600 Ft West from Southeast Corner Sec 21 Twp 20 Rge East 19 West

Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Paul E. Ruggels
Title President Date 7-24-87

Subscribed and sworn to before me this 24 day of July 1987
Notary Public Reva F. Musgrove

Date Commission Expires 3-28-88

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)



RECEIVED
JUL 27 1987
7-27-87
CONSERVATION DIVISION
Wichita, Kansas

Sec. 16, Twp 20, Rge 19 W

SIDE TWO

Operator Name Lawbancó Drilling, Inc. Lease Name S.O.P. Sturgeon Well # 1

Sec. 16 Twp. 20 Rge. 19 East West County Pawnee

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Anhydrite	1414	
Heebner	3746	
Toronto	3795	
Lansing	3823	
Base KC	4114	
Pawnee	4213	
Fort Scott	4246	
Cherokee Shale	4266	
Cherokee Sandstone	4303	
Mississippian	N.D.E.	
L. T. D. 4352		

See ATTACHED DRILLERS LOG

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	20#	388	POZ	185	3% C.C.

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method				
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

AVG 0021 1.37
 6/20/15

EMPHASIS OIL OPERATIONS

P. O. BOX 506
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Lawbanco Drilling, Inc.
P. O. Box 289
Natoma, KS 67651

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: S.O.P. Sturgeon WELL #1

LOCATION: NE NE SE
Section 16-20S-19W
Pawnee County, Kansas

LOGGERS TOTAL DEPTH: 4352'

ROTARY TOTAL DEPTH: 4350'

COMMENCED: 6/2/87

CASING: 8-5/8" @ 388' w/185 sks cement

ELEVATION: 2245' K.B.

COMPLETED: 6/8/87

STATUS: Dry Hole

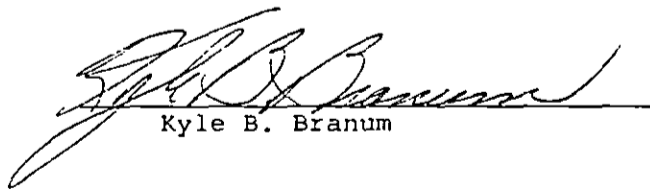
DEPTHS & FORMATIONS

(All measurements from K.B.)

Topsoil & Sand	37'	Shale	1366'
Shale	254'	Anhydrite	1440'
Dakota	335'	Shale	2220'
Redbed	390'	Shale & Lime	2560'
Redbed & Shale	654'	Lime & Shale	3305'
Shale	839'	Lime	3993'
Sand	1026'	Lime & Shale (R.T.D.)	4350'

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

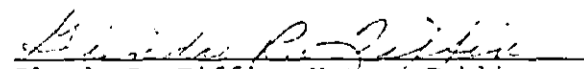
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

Subscribed and sworn to before me on June 17, 1987.

My commission expires: February 6, 1988.

GLEND A. R. TIFFIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-88


Glenda R. Tiffin, Notary Public
RECEIVED
STATE CORPORATION COMMISSION

JUL 27 1987

CONSERVATION DIVISION
Wichita, Kansas